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**IB ITGS**

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**GPS in cars**

1. **IT Systems – Identify the IT system used in the story and discuss how the IT System was used in the story. [5 Marks]**

* **Software – the GPS tracking system is a software that uses a satellite to connect to the black box used in Eric’s rented car, so they could track where he was going at all times.**
* **Hardware – the black box used in the cars are what allows the satellite to track the rental cars. One of these boxes were put into Ordero’s rental car from Payless, which is how they knew he drove over state borders.**

1. **Stakeholders – Identify how they were affected [2 marks per Stakeholder (6 Marks max)]**

* **Eric Ordero – unknowingly charged with approximately $1400 for a rental car form Payless because of the Gps system installed in his vehicle.**
* **The Payless company – charged Ordero with an additional charge for driving out of state.**
* **Acceleron corporation – this corporation installs the GPS tracking system without the knowledge of its users. They also suffered a lawsuit because of this.**
* **Users of rental cars from Acceleron corporation– the user of the company were unaware that the company was tracking where they were in the rental cars. This ruins their privacy while using the car. But, because of the lawsuit against the corporation, the users were refunded their money.**

1. **Ethical Issues – Identify how the issues affect a stakeholder and one of the AOIs. [3 Marks each]**

* **Privacy – Eric Ordero had no privacy because the company was tracking every mile he drove out of state borders (in Nevada). The Payless company, and Accerleron corporation gained from this because since they knew he drove out of the state, they charged him and other rental car users with a fee for every mile they drove out of the state.**
* **Security – using the GPS, Payless can easily follow the people where they go and what they do, so they have no privacy, when they are on their own time.**

1. **AOI – List down 2 AOI and evaluate how the AOI is affected.**

* **Home and leisure – Eric Ordero rented a car from Payless, to drive to Las Vegas which out of state where he rented the car. He did not know that the rented vehicle had a GPS system in it, so he freely drove across state borders.**
  + **Positive – there are no advantages of this for Eric Odero.**
  + **Negative - he was charged with a lot of money he was unaware of, and the company took away his privacy with the GPS system in the rental.**
* **Business and employment – The company that Ordero rented the car from charged him with almost $1200 more than he was told.**
  + **Positive – the Payless company gains a lot of money by using the GPS tracking system because they can easily see what they’re users are doing. This seems like too much, because the users don’t have any privacy with this.**
  + **Negative – they suffered a lawsuit because the renters were not told what they were allowed and not allowed to do.**